

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------|------------------|---------|---------------------|
| L1 | 50 | (US-20050150830-\$ or US-20050132775-\$ or US-20040264293-\$ or US-20020009015-\$).did. or (US-6859050-\$ or US-6764860-\$ or US-6719449-\$ or US-6515030-\$ or US-6440725-\$ or US-6413783-\$ or US-6361747-\$ or US-6277332-\$ or US-6244738-\$ or US-6224778-\$ or US-6210128-\$ or US-6100084-\$ or US-6090295-\$ or US-6086821-\$ or US-6039309-\$ or US-6010316-\$ or US-6003388-\$ or US-5965001-\$ or US-5831166-\$ or US-5779985-\$ or US-5739432-\$ or US-5736100-\$ or US-5688406-\$ or US-5688405-\$ or US-5674742-\$ or US-5646039-\$).did. or (US-5626734-\$ or US-5523058-\$ or US-5484573-\$ or US-5395592-\$ or US-5276376-\$ or US-5026167-\$ or US-4983189-\$ or US-4879011-\$ or US-4571087-\$ or US-4488816-\$ or US-4307964-\$ or US-3851861-\$ or US-3743523-\$ or US-3614069-\$ or US-3396286-\$ or US-3194640-\$ or US-3169013-\$ or US-2864592-\$ or US-2855526-\$ or US-2565159-\$).did. | US-PGPUB; USPAT | OR | OFF | 2008/06/07 15:39 |

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|----|-----|--|--|-----|---------------------|---------------------|
| L2 | 17 | I1 and (focus or foci for focused or vertex) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 15:40 |
| L3 | 511 | ("2565159" "2578505" "2632634" "2766881" "2855526" "2864592" "2907455" "2950725" "3056589" "3066686" "3109721" "3117768" "3118979" "3194640" "3396286" "3463321" "3464672" "3544733" "3573781" "3614069" "3625884" "3638087" "3650094" "3683212" "3746897" "3753886" "3799742" "3805596" "3840758" "3876890" "3946829" "3963380" "4013552" "4055491" "4071225" "4114194" "4115036" "4168295" "4171852" "4249146" "4275363" "4280823" "4282532" "4296417" "4302728" "4307964" "4308547" "4339247" "4346011" "4369100" "4383264" "4390976" "4395719" "4398925" "4426451" "4433916" "4468680" "4488816" "4523682" "4554477" "4556467" "4559826" "4562413" "4571087" "4620917" "4642220" "4654546" "4673512" "4687962" "4688199" "4703213" "4736130" "4747920" "4789628" "4834124" "4836684" "4855240" "4864547" "4868521" "4879011" "4885783" "4888565" "4891120" "4895500" "4908112" "4908318" "4914256" "4914641" "4915812" "4918025" "4921952" "4923978" "4941135" "4963498" "4983189" "4983523" "5006266" "5026167" "5033033" "5037481" "5061446" "5065066" "5076854" "5085562") | OR | OFF | 2008/06/07 15:42 | |

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| "5114858" | "5124444" |
| "5130031" | "5143084" |
| "5144146" | "5155018" |
| "5158071" | "5164094" |
| "5188963" | "5192450" |
| "5207988" | "5212988" |
| "5223219" | "5225089" |
| "5229297" | "5234809" |
| "5247954" | "5259384" |
| "5296375").PN. | OR |
| ("5304487" | "5330916" |
| "5342931" | "5352777" |
| "5374522" | "5395592" |
| "5399486" | "5422241" |
| "5422271" | "5427663" |
| "5427946" | "5438129" |
| "5443890" | "5458761" |
| "5459699" | "5484537" |
| "5484573" | "5500071" |
| "5520715" | "5523058" |
| "5525041" | "5527460" |
| "5533401" | "5534054" |
| "5543305" | "5558837" |
| "5580435" | "5580794" |
| "5581286" | "5585069" |
| "5587128" | "5589136" |
| "5591490" | "5605662" |
| "5616701" | "5639423" |
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| "5643738" | "5652141" |
| "5660993" | "5674742" |
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| "5705018" | "5707799" |
| "5714380" | "5716852" |
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| "5741639" | "5746978" |
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| "5779985" | "5798215" |
| "5842787" | "5843767" |
| "5846727" | "5856174" |
| "5858188" | "5863502" |
| "5863801" | "5869004" |
| "5874046" | "5880071" |
| "5882903" | "5890802" |
| "5921678" | "5922591" |
| "5928880" | "5948673" |
| "5955351" | "5972710" |
| "5976824" | "6003388" |
| "6010316" | "6030581" |
| "6042709" | "6043080" |
| "6068752" | "6080295" |
| "6090545" | "6091406" |
| "6100084" | "6153073" |
| "6156273" | "6168948" |
| "6197595" | "6210128" |
| "6244738" | "6261431" |
| "6277332" | "6284113" |

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|-----|---------|--|--|----|-----|---------------------|
| | | "6361747" "6413783" "6515030" "RE31779" "Re33524").PN. OR ("2002/0009015" "2004/0264293" "2005/0132775" "2005/0150830" "2565159" "4983189" "5276376" "5395592" "5523058" "5688406" "5831166" "6003388" "6010316" "6210128" "6413783" "6440725" "6719449").URPN. | | | | |
| L4 | 736140 | (focus or foci for focused or vertex) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 15:43 |
| L5 | 1176978 | acoustic or sonic or ultrasonic or sound | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 15:44 |
| L6 | 96099 | I5 and I4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 15:44 |
| L7 | 162 | I3 and I4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 15:44 |
| L8 | 100 | I7 and (mm or cm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:47 |
| L9 | 35 | I7 and ((mm or cm) same (focus or foci or focused or vertex)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:48 |
| L10 | 696056 | (focus or foci or focused or vertex) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:50 |
| L11 | 1779117 | I10 or I5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:50 |

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|-----|--------|---|--|----|-----|---------------------|
| L12 | 360404 | I11 and (mm or cm) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:51 |
| L13 | 39718 | ((mm or cm) same (focus or foci or focused or vortex)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:51 |
| L14 | 35625 | I13 and I12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:51 |
| L15 | 2495 | megasonic | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:51 |
| L16 | 2495 | I15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:51 |
| L17 | 313 | I15 and I10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:51 |
| L18 | 31 | I15 and I10 and I13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/07 16:52 |
| L19 | 1 | ("6440725").PN. | US-PGPUB; USPAT | OR | OFF | 2008/06/07 17:20 |
| L20 | 3 | gigasonic | US-PGPUB; USPAT | OR | OFF | 2008/06/07 17:24 |
| S1 | 132 | (US-5705813-\$ or US- 5681484-\$ or US- 5658413-\$ or US- 5635358-\$ or US- 5637469-\$ or US- 5632876-\$ or US- 5587128-\$ or US- 5508234-\$ or US- 5498392-\$ or US- 5500071-\$ or US- 5573334-\$ or US- 6176991-\$ or US- 6033546-\$ or US- 5599432-\$ or US- 4521117-\$ or US- | USPAT | OR | OFF | 2002/09/25 09:05 |

| | | | | |
|--|--------------------------|--|--|--|
| | 3849075-\$ or US- | | | |
| | 6153073-\$ or US- | | | |
| | 6065864-\$ or US- | | | |
| | 6149787-\$ or US- | | | |
| | 6068752-\$ or US- | | | |
| | 5957579-\$ or US- | | | |
| | 5842787-\$ or US- | | | |
| | 5893974-\$ or US- | | | |
| | 4963498-\$ or US- | | | |
| | 6399361-\$ or US- | | | |
| | 6361958-\$).did. or (US- | | | |
| | 6194900-\$ or US- | | | |
| | 5486335-\$ or US- | | | |
| | 5482598-\$ or US- | | | |
| | 5800690-\$ or US- | | | |
| | 5965001-\$ or US- | | | |
| | 5932100-\$ or US- | | | |
| | 4908112-\$ or US- | | | |
| | 4397100-\$ or US- | | | |
| | 6209928-\$ or US- | | | |
| | 6158712-\$ or US- | | | |
| | 6213151-\$ or US- | | | |
| | 6210986-\$ or US- | | | |
| | 6200814-\$ or US- | | | |
| | 6192939-\$ or US- | | | |
| | 6194066-\$ or US- | | | |
| | 6192596-\$ or US- | | | |
| | 6190034-\$ or US- | | | |
| | 6184029-\$ or US- | | | |
| | 6186660-\$ or US- | | | |
| | 6180536-\$ or US- | | | |
| | 6176962-\$ or US- | | | |
| | 6174675-\$ or US- | | | |
| | 6170981-\$ or US- | | | |
| | 5427946-\$ or US- | | | |
| | 6159739-\$ or US- | | | |
| | 5327777-\$ or US- | | | |
| | 5304487-\$).did. or (US- | | | |
| | 5296375-\$ or US- | | | |
| | 5205902-\$ or US- | | | |
| | 6156273-\$ or US- | | | |
| | 6156181-\$ or US- | | | |
| | 6150119-\$ or US- | | | |
| | 6150180-\$ or US- | | | |
| | 6146103-\$ or US- | | | |
| | 6136272-\$ or US- | | | |
| | 6130098-\$ or US- | | | |
| | 6132685-\$ or US- | | | |
| | 6134950-\$ or US- | | | |
| | 6129826-\$ or US- | | | |
| | 6129973-\$ or US- | | | |
| | 6129854-\$ or US- | | | |
| | 6123798-\$ or US- | | | |
| | 6120666-\$ or US- | | | |
| | 6120665-\$ or US- | | | |
| | 6110332-\$ or US- | | | |
| | 6110343-\$ or US- | | | |
| | 6103199-\$ or US- | | | |

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|--|--------------------------|--|--|--|
| | 6106685-\$ or US- | | | |
| | 6093362-\$ or US- | | | |
| | 6094206-\$ or US- | | | |
| | 6082891-\$ or US- | | | |
| | 6074725-\$ or US- | | | |
| | 6080295-\$ or US- | | | |
| | 6068751-\$).did. or (US- | | | |
| | 6062261-\$ or US- | | | |
| | 6063589-\$ or US- | | | |
| | 6062681-\$ or US- | | | |
| | 6054034-\$ or US- | | | |
| | 6048498-\$ or US- | | | |
| | 6045677-\$ or US- | | | |
| | 6048734-\$ or US- | | | |
| | 6042709-\$ or US- | | | |
| | 6036927-\$ or US- | | | |
| | 6032689-\$ or US- | | | |
| | 6033544-\$ or US- | | | |
| | 6033202-\$ or US- | | | |
| | 6031286-\$ or US- | | | |
| | 6033628-\$ or US- | | | |
| | 6019882-\$ or US- | | | |
| | 6013164-\$ or US- | | | |
| | 6007690-\$ or US- | | | |
| | 6010316-\$ or US- | | | |
| | 5993750-\$ or US- | | | |
| | 5992769-\$ or US- | | | |
| | 5989445-\$ or US- | | | |
| | 5980704-\$ or US- | | | |
| | 5972187-\$ or US- | | | |
| | 5971158-\$ or US- | | | |
| | 5974867-\$ or US- | | | |
| | 5965237-\$ or US- | | | |
| | 5965410-\$).did. or (US- | | | |
| | 5958203-\$ or US- | | | |
| | 5961932-\$ or US- | | | |
| | 5928880-\$ or US- | | | |
| | 6101715-\$ or US- | | | |
| | 6100107-\$ or US- | | | |
| | 6102530-\$ or US- | | | |
| | 4516632-\$ or US- | | | |
| | 5900130-\$ or US- | | | |
| | 5904424-\$ or US- | | | |
| | 5885470-\$ or US- | | | |
| | 5876582-\$ or US- | | | |
| | 5871158-\$ or US- | | | |
| | 5795788-\$ or US- | | | |
| | 5866345-\$ or US- | | | |
| | 5858187-\$ or US- | | | |
| | 5852495-\$ or US- | | | |
| | 5803600-\$ or US- | | | |
| | 5783452-\$ or US- | | | |
| | 5788766-\$ or US- | | | |
| | 5755942-\$ or US- | | | |
| | 5746368-\$ or US- | | | |
| | 5727618-\$ or US- | | | |
| | 5726026-\$ or US- | | | |
| | 5716852-\$).did. or (US- | | | |

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|----|----|--|--------------|----|-----|---------------------|
| | | 5803600-\$ or US-5760894-\$ or WO-9717133-\$ or WO-9717130-\$ or WO-9530476-\$ or DE-4433439-\$ or WO-9530475-\$).did. or (JP-11295268-\$ or JP-08334505-\$).did. or (WO-200109598-\$ or WO-200102737-\$ or DE-19928123-\$ or DE-19927556-\$).did. | | | | |
| S2 | 3 | (US-3304063-\$ or US-2634109-\$ or US-1842877-\$).did. | USPAT | OR | OFF | 2002/09/25 08:50 |
| S3 | 18 | (US-6270641-\$ or US-6271038-\$ or US-6238538-\$ or US-6251343-\$ or US-5800690-\$ or US-6167910-\$ or US-6221654-\$ or US-6235175-\$ or US-6153073-\$ or US-6156181-\$ or US-6143152-\$ or US-6150119-\$ or US-6148508-\$ or US-6149787-\$ or US-6129826-\$ or US-5852495-\$ or US-5965001-\$ or US-6150180-\$).did. | USPAT | OR | OFF | 2002/09/25 08:52 |
| S4 | 19 | (US-6071081-\$ or US-6065864-\$ or US-5443985-\$ or US-5221326-\$ or US-5275787-\$ or US-4849340-\$ or US-5605653-\$ or US-5699462-\$ or US-4792283-\$ or US-4007010-\$ or US-4723129-\$ or US-5375979-\$ or US-6062681-\$ or US-6010316-\$ or US-6192939-\$ or US-5571410-\$ or US-6129702-\$ or US-RE36350-\$ or US-6186659-\$).d" | USPAT | OR | OFF | 2002/09/25 08:55 |
| S5 | 1 | ("1750245").PN. | USPAT; USOCR | OR | OFF | 2002/09/25 08:55 |

| | | | | | | |
|----|-----|---|--------------|----|-----|---------------------|
| S6 | 132 | (("6186660") or ("6184029") or ("6180536") or ("6170981") or ("6156273") or ("6136272") or ("6101715") or ("6082891") or ("6036927") or ("6031286") or ("5993750") or ("5980704") or ("5971158") or ("5928880") or ("5904424") or ("5803600") or ("5727618") or ("5681484") or ("5205902") or ("5803600") or ("6176991") or ("5957579") or ("5842787") or ("5573334") or ("4521117") or ("3849075") or ("3304063") or ("2634109") or ("1842877") or ("6194900") or ("5965001") or ("5932100") or ("5800690") or ("4908112") or ("4397100") or ("6213151") or ("6210986") or ("6209928") or ("6200814") or ("6194066") or ("6192939") or ("6192596") or ("6190034") or ("6176962") or ("6174675") or ("6159739") or ("6158712") or ("6156181") or ("6150180") or ("6150119") or ("6146103") or ("6134950") or ("6132685") or ("6130098") or ("6129973") or ("6129854") or ("6129826") or ("6123798") or | USPAT; USOCR | OR | OFF | 2002/09/25 08:57 |
|----|-----|---|--------------|----|-----|---------------------|

("6120666") or
("6120665") or
("6110332") or
("6110343") or
("6106685") or
("6103199") or
("6102530") or
("6100107") or
("6094206") or
("6093362") or
("6080295") or
("6074725") or
("6068751") or
("6062261") or
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("6045677") or
("6042709") or
("6032689") or
("6033628") or
("6033544") or
("6033202") or
("6019882") or
("6013164") or
("6010316") or
("6007690") or
("5992769") or
("5989445") or
("5974867") or
("5972187") or
("5965237") or
("5965410") or
("5961932") or
("5958203") or
("5900130") or
("5885470") or
("5876582") or
("5871158") or
("5866345") or
("5795788") or
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("5788766") or
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("5755942") or
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("5726026") or
("5716852") or
("5705813") or
("5658413") or
("5637469") or
("5635358") or
("5632876") or
("5587128") or
("5508234") or
("5500071") or

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|----|----|--|-------|----|-----|------------------|
| | | ("5498392") or ("5486335") or ("5482598") or ("5427946") or ("5327777") or ("5304487") or ("5296375") or ("4516632") or ("5760894") or ("6033546") or ("5599432") or ("6065864") or ("6153073") or ("6149787") or ("6068752") or ("5893974") or ("6063589")).PN. | | | | |
| S7 | 25 | (US-5354460-\$ or US-5938333-\$ or US-4999102-\$ or US-1409259-\$ or US-3533594-\$ or US-2734224-\$ or US-4537217-\$ or US-5783129-\$ or US-5289224-\$ or US-5992453-\$ or US-4017240-\$ or US-4550681-\$ or US-4354932-\$ or US-4636315-\$ or US-3825645-\$ or US-3381336-\$ or US-5304487-\$ or US-5296375-\$ or US-3020579-\$ or US-5637469-\$ or US-5866345-\$ or US-5635358-\$ or US-5427946-\$ or US-5355318-\$ or US-5955029-\$).did. | USPAT | OR | OFF | 2002/09/25 08:59 |
| S8 | 33 | (US-5646039-\$ or US-5523058-\$ or US-4678340-\$ or US-4688306-\$ or US-4641155-\$ or US-6187211-\$ or US-6081064-\$ or US-5794023-\$ or US-5738635-\$ or US-5563346-\$ or US-5535006-\$ or US-5452267-\$ or US-5030872-\$ or US-4888861-\$ or US-4829209-\$ or US- | USPAT | OR | OFF | 2002/09/25 09:00 |

| | | | | | | |
|----|----|--|-------|----|-----|---------------------|
| | | 4395652-\$ or US- 4467237-\$ or US- 4586512-\$ or US- 4558249-\$ or US- 4446396-\$ or US- 4012952-\$ or US- 2956184-\$ or US- 3624896-\$ or US- 5174296-\$ or US- 5780748-\$ or US- 5466932-\$).did. or (US- 4938742-\$ or US- 4961252-\$ or US- 4541429-\$ or US- 6010316-\$ or US- 5644184-\$ or US- 4879011-\$ or US- 4692776-\$).did. | | | | |
| S9 | 62 | (US-5965237-\$ or US- 5904424-\$ or US- 5858567-\$ or US- 5863671-\$ or US- 5858188-\$ or US- 5811062-\$ or US- 6210514-\$ or US- 6184608-\$ or US- 6082185-\$ or US- 5824186-\$ or US- 5783856-\$ or US- 5771321-\$ or US- 5469020-\$ or US- 5534328-\$ or US- 3856270-\$ or US- 3823457-\$ or US- 4392362-\$ or US- 5839467-\$ or US- 5705070-\$ or US- 5585011-\$ or US- 5369007-\$ or US- 5223219-\$ or US- 5077017-\$ or US- 5039617-\$ or US- 4946795-\$ or US- 4868129-\$).did. or (US- 4756884-\$ or US- 4618476-\$ or US- 4610170-\$ or US- 4596780-\$ or US- 6296020-\$ or US- 6274337-\$ or US- 6071478-\$ or US- 5099311-\$ or US- 5070606-\$ or US- 5372946-\$ or US- 5028142-\$ or US- 5016707-\$ or US- 4728500-\$ or US- | USPAT | OR | OFF | 2002/09/25 09:03 |

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|-----|-----|---|--------------|----|-----|---------------------|
| | | 6376181-\$ or US- 6368871-\$ or US- 4124478-\$ or US- 6290685-\$ or US- 6287517-\$ or US- 5376252-\$ or US- 3901731-\$ or US- 6171850-\$ or US- 6190034-\$ or US- 6184029-\$ or US- 6176962-\$ or US- 6168948-\$ or US- 5595712-\$ or US- 6143247-\$).did. or (US- 6126804-\$ or US- 6103537-\$ or US- 6063589-\$ or US- 6054034-\$ or US- 5698299-\$ or US- 5234586-\$ or US- 6388231-\$ or US- 6391559-\$).did. or (US- 5935401-\$ or US- 5858188-\$ or US- 5904424-\$).did. | | | | |
| S17 | 1 | ("6143152").PN. | USPAT; USOCR | OR | OFF | 2005/09/14 10:19 |
| S18 | 279 | (US-5632876-\$ or US- 5599432-\$ or US- 5587128-\$ or US- 5573334-\$ or US- 5508234-\$ or US- 5500071-\$ or US- 5498392-\$ or US- 5486335-\$ or US- 5482598-\$ or US- 5427946-\$ or US- 5327777-\$ or US- 5304487-\$ or US- 5296375-\$ or US- 5205902-\$ or US- 4963498-\$ or US- 4908112-\$ or US- 4521117-\$ or US- 4516632-\$ or US- 4397100-\$ or US- 3849075-\$ or US- 6271038-\$ or US- 6270641-\$ or US- 6251343-\$ or US- 6238538-\$ or US- 6235175-\$ or US- 6221654-\$).did. or (US- 6167910-\$ or US- 6148508-\$ or US- 6143152-\$ or US- 6186659-\$ or US- | USPAT | OR | OFF | 2003/01/10 15:07 |

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| | | 5803600-\$ or US- 5852495-\$ or US- 5755942-\$ or US- 5760894-\$ or US- 5800690-\$ or US- 5783452-\$ or US- 5788766-\$).did. or (US- 5795788-\$ or US- 5746368-\$ or US- 5727618-\$ or US- 5726026-\$ or US- 5716852-\$ or US- 5705813-\$ or US- 5681484-\$ or US- 5658413-\$ or US- 5637469-\$ or US- 5635358-\$).did. | | | | |
| S19 | 12 | (US-2634109-\$ or US- 3304063-\$ or US- 1842877-\$ or US- 3533594-\$ or US- 3825645-\$ or US- 3381336-\$ or US- 2734224-\$ or US- 3020579-\$ or US- 1409259-\$ or US- 3624896-\$ or US- 2956184-\$ or US- 3799742-\$).did. | USOCR | OR | OFF | 2003/01/10 15:07 |
| S20 | 8 | ((US-5632876-\$ or US- 5599432-\$ or US- 5587128-\$ or US- 5573334-\$ or US- 5508234-\$ or US- 5500071-\$ or US- 5498392-\$ or US- 5486335-\$ or US- 5482598-\$ or US- 5427946-\$ or US- 5327777-\$ or US- 5304487-\$ or US- 5296375-\$ or US- 5205902-\$ or US- 4963498-\$ or US- 4908112-\$ or US- 4521117-\$ or US- 4516632-\$ or US- 4397100-\$ or US- 3849075-\$ or US- 6271038-\$ or US- 6270641-\$ or US- 6251343-\$ or US- 6238538-\$ or US- 6235175-\$ or US- 6221654-\$).did. or (US- 6167910-\$ or US- 6148508-\$ or US- | USPAT | OR | OFF | 2003/01/10 15:09 |

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| | | 5866345-\$ or US- 5858187-\$ or US- 5803600-\$ or US- 5852495-\$ or US- 5755942-\$ or US- 5760894-\$ or US- 5800690-\$ or US- 5783452-\$ or US- 5788766-\$).did. or (US- 5795788-\$ or US- 5746368-\$ or US- 5727618-\$ or US- 5726026-\$ or US- 5716852-\$ or US- 5705813-\$ or US- 5681484-\$ or US- 5658413-\$ or US- 5637469-\$ or US- 5635358-\$).did.) and "boundary layer" | | | | |
| S21 | 1 | ((US-2634109-\$ or US- 3304063-\$ or US- 1842877-\$ or US- 3533594-\$ or US- 3825645-\$ or US- 3381336-\$ or US- 2734224-\$ or US- 3020579-\$ or US- 1409259-\$ or US- 3624896-\$ or US- 2956184-\$ or US- 3799742-\$).did.) and "boundary layer" | USOCR | OR | OFF | 2003/01/10 15:10 |
| S27 | 2 | ((US-3799742-\$ or US- 1842877-\$ or US- 2634109-\$ or US- 3304063-\$ or US- 2956184-\$ or US- 3624896-\$ or US- 1409259-\$ or US- 2734224-\$ or US- 3020579-\$ or US- 3533594-\$ or US- 3381336-\$ or US- 3825645-\$).did.) and electrical | USOCR | OR | OFF | 2003/05/13 11:58 |

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|-----|---|--|-------|----|-----|---------------------|
| S47 | 9 | ((US-5932100-\$ or US-5904424-\$ or US-5858187-\$ or US-5716852-\$ or US-4397100-\$ or US-6270641-\$ or US-6148508-\$ or US-6186659-\$ or US-4792283-\$ or US-4879011-\$ or US-6368871-\$ or US-6274337-\$ or US-6176991-\$ or US-5839467-\$ or US-4868129-\$ or US-4596780-\$ or US-5904824-\$ or US-6331073-\$ or US-6524790-\$ or US-6561968-\$ or US-6260579-\$ or US-6193866-\$ or US-6116257-\$ or US-6508273-\$ or US-6475722-\$ or US-6406605-\$).did. or (US-6344120-\$ or US-5429728-\$ or US-5447617-\$ or US-5092972-\$ or US-5126022-\$ or US-4911817-\$ or US-6506609-\$ or US-6197176-\$ or US-5626734-\$ or US-4390403-\$ or US-6136272-\$ or US-6134950-\$ or US-6042709-\$ or US-6010316-\$ or US-5974867-\$ or US-5971158-\$ or US-5965410-\$ or US-5965001-\$ or US-5957579-\$ or US-6361747-\$ or US-4488816-\$ or US-6130098-\$ or US-6129826-\$ or US-6120665-\$ or US-6080295-\$ or US-6065864-\$ or US-6048734-\$).did. or (US-6150119-\$ or US-6186660-\$).did.) and (acoustic or sound) | USPAT | OR | OFF | 2003/05/27 16:50 |
|-----|---|--|-------|----|-----|---------------------|

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|-----|--------|---|--------------|----|-----|------------------|
| S48 | 1 | ((US-3687834-\$ or US-2772862-\$ or US-2714186-\$).did.) and (acoustic or sound) | USOCR | OR | OFF | 2003/05/27 16:51 |
| S49 | 0 | 366/dig.4.ccls. | USOCR | OR | OFF | 2003/05/27 16:51 |
| S50 | 3 | 366/dig.4.ccls. | USPAT | OR | OFF | 2003/05/27 16:51 |
| S51 | 1 | ("4571087").PN. | USPAT; USOCR | OR | OFF | 2003/06/14 18:09 |
| S52 | 285 | (366/127).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/14 18:47 |
| S53 | 5 | ("4939405" "5215446" "5688405" "6237619" "6431212").PN. | USPAT | OR | OFF | 2003/06/14 18:24 |
| S54 | 0 | "6568052".URPN. | USPAT | OR | OFF | 2003/06/14 18:26 |
| S55 | 1 | ("6210128").PN. | USPAT; USOCR | OR | OFF | 2003/06/14 18:26 |
| S56 | 12 | ("3840758" "3963380" "4115036" "4296417" "4395719" "5085562" "5525041" "5674742" "5736100" "6003388" "6010316" "6091406").PN. | USPAT | OR | OFF | 2003/06/14 18:26 |
| S57 | 342 | (366/108).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/14 19:00 |
| S58 | 255 | (366/145).CCLS. | USPAT; USOCR | OR | OFF | 2003/06/14 18:57 |
| S59 | 2 | ((366/145).CCLS.) AND sonic | USPAT | OR | OFF | 2003/06/14 18:58 |
| S60 | 594 | ((366/108).CCLS.) or ((366/145).CCLS.) | USPAT | OR | OFF | 2003/06/14 18:58 |
| S61 | 314966 | (((366/108).CCLS.) or ((366/145).CCLS.)) and pressure sensor | USPAT | OR | OFF | 2003/06/14 18:58 |
| S62 | 8 | (((366/108).CCLS.) or ((366/145).CCLS.)) and "pressure sensor" | USPAT | OR | OFF | 2003/06/14 18:59 |
| S63 | 615 | ((366/127).CCLS.) or ((366/108).CCLS.) | USPAT | OR | OFF | 2003/06/14 19:00 |
| S64 | 6 | (((366/127).CCLS.) or ((366/108).CCLS.)) and "pressure sensor" | USPAT | OR | OFF | 2003/06/14 19:09 |
| S65 | 91 | "stepper motor" and "ultrasonic" and ("mix" or "agitate") | USPAT | OR | OFF | 2003/06/14 20:18 |

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|-----|----|---|--------------------|----|-----|---------------------|
| S66 | 21 | ("1734975" "3301535" "3325976" "3552536" "3811623" "3837805" "3951605" "4022579" "4259290" "4582990" "4919807" "4973876" "5176446" "5206171" "5380487" "5413770" "5446263" "5496517" "5722444" "5736100" "5779985").PN. | USPAT | OR | OFF | 2003/06/14 19:18 |
| S67 | 0 | "stepper motor" and "5779985".pn. | USPAT | OR | OFF | 2003/06/14 20:17 |
| S68 | 41 | "stepper motor" and "ultrasonic" and ("mix" or "agitate") and tubes | USPAT | OR | OFF | 2003/06/14 20:18 |
| S69 | 30 | ("2565159" "2632634" "2855526" "2864592" "2950725" "3066686" "3194640" "3396286" "3786890" "4307964" "4488816" "4834124" "5037481" "5484573" "5523058" "5688406" "5736100" "5779985" "5890802" "6010316" "6100084" "6210128" "6244738" "6277332" "6284113" "6316747" "6361747" "6413783" "6515030" "RE31779").PN. | US-PGPUB; USPAT | OR | OFF | 2005/09/13 13:12 |
| S70 | 33 | ("0001779" "2565159" "2632634" "2855526" "2864592" "2950725" "3066686" "3194640" "3396286" "3614069" "3786890" "4307964" "4488816" "4571087" "4834124" "5026167" "5037481" "5484573" "5523058" "5639423" "5688406" "5736100" "5779985" "5890802" "6010316" "6100084" "6210128" "6244738" "6277332" "6284113" "6361747" "6413783" "6515030").PN. | US-PGPUB; USPAT | OR | OFF | 2005/09/13 13:12 |
| S71 | 6 | S70 not S69 | US-PGPUB; USPAT | OR | OFF | 2005/09/13 13:12 |

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|-----|----|--|---------------------------|-----|----|---------------------|
| S72 | 41 | (US-3720402-\$ or US-3743523-\$ or US-3762368-\$ or US-3851861-\$ or US-4117550-\$ or US-4307964-\$ or US-4433916-\$ or US-4463708-\$ or US-4488816-\$ or US-4571087-\$ or US-4879011-\$ or US-5276376-\$ or US-5395592-\$ or US-5484573-\$ or US-5523058-\$ or US-5626734-\$ or US-5646039-\$ or US-5674742-\$ or US-5688405-\$ or US-5688406-\$ or US-5736100-\$ or US-5902489-\$ or US-5965001-\$ or US-6003388-\$ or US-6010316-\$ or US-6042709-\$).did. or (US-6048734-\$ or US-6080295-\$ or US-6193866-\$ or US-6210128-\$ or US-6277332-\$ or US-6361747-\$ or US-6413783-\$ or US-6440725-\$ or US-6515030-\$ or US-6568052-\$ or US-RE29161-\$).did. or (US-2632634-\$ or US-2714186-\$ or US-2772862-\$ or US-2864592-\$).did. | USPAT; USOCR | AND | ON | 2005/09/13 13:12 |
| S73 | 60 | S69 or S70 or S71 or S72 | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:14 |
| S74 | 5 | laugharn and garrison | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:14 |
| S75 | 14 | S73 and sensor | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:32 |
| S76 | 17 | S73 and ("100" same (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:52 |
| S77 | 23 | ("2714186" "3169013" "3176964" "3301535").PN. OR ("3614069").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/13 13:46 |

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|-----|----|--|-------|-----|----|---------------------|
| S78 | 60 | (US-6515030-\$ or US-6413783-\$ or US-6361747-\$ or US-6568052-\$ or US-6440725-\$ or US-6316747-\$ or US-6284113-\$ or US-6277332-\$ or US-6244738-\$ or US-6210128-\$ or US-6193866-\$ or US-6100084-\$ or US-6080295-\$ or US-6048734-\$ or US-6042709-\$ or US-6010316-\$ or US-6003388-\$ or US-5965001-\$ or US-5902489-\$ or US-5890802-\$ or US-5779985-\$ or US-5736100-\$ or US-5688406-\$ or US-5688405-\$ or US-5674742-\$ or US-5646039-\$).did. or (US-5639423-\$ or US-5626734-\$ or US-5523058-\$ or US-5484573-\$ or US-5395592-\$ or US-5276376-\$ or US-5037481-\$ or US-5026167-\$ or US-4879011-\$ or US-4834124-\$ or US-4571087-\$ or US-RE31779-\$ or US-4488816-\$ or US-4463708-\$ or US-4433916-\$ or US-4307964-\$ or US-4117550-\$ or US-RE29161-\$ or US-3876890-\$ or US-3851861-\$ or US-3786890-\$ or US-3762368-\$ or US-3743523-\$ or US-3720402-\$ or US-3614069-\$ or US-3396286-\$ or US-3194640-\$).did. or (US-3066686-\$ or US-2950725-\$ or US-2864592-\$ or US-2855526-\$ or US-2632634-\$ or US- | USPAT | AND | ON | 2005/09/13 13:48 |
|-----|----|--|-------|-----|----|---------------------|

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|-----|----|---|---------------------------|-----|----|---------------------|
| | | 2565159-\$ or US-0001779-\$).did. | | | | |
| S79 | 69 | (US-6515030-\$ or US-6413783-\$ or US-6361747-\$ or US-6568052-\$ or US-6440725-\$ or US-6316747-\$ or US-6284113-\$ or US-6277332-\$ or US-6244738-\$ or US-6210128-\$ or US-6193866-\$ or US-6100084-\$ or US-6080295-\$ or US-6048734-\$ or US-6042709-\$ or US-6010316-\$ or US-6003388-\$ or US-5965001-\$ or US-5902489-\$ or US-5890802-\$ or US-5779985-\$ or US-5736100-\$ or US-5688406-\$ or US-5688405-\$ or US-5674742-\$ or US-5646039-\$).did. or (US-5639423-\$ or US-5626734-\$ or US-5523058-\$ or US-5484573-\$ or US-5395592-\$ or US-5276376-\$ or US-5037481-\$ or US-5026167-\$ or US-4879011-\$ or US-4834124-\$ or US-4571087-\$ or US-RE31779-\$ or US-4488816-\$ or US-4463708-\$ or US-4433916-\$ or US-4307964-\$ or US-4117550-\$ or US-RE29161-\$ or US-3876890-\$ or US-3851861-\$ or US-3786890-\$ or US-3762368-\$ or US-3743523-\$ or US-3720402-\$ or US-3614069-\$ or US-3396286-\$ or US-3194640-\$).did. or (US-3066686-\$ or US-2950725-\$ or US- | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/13 13:48 |

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|-----|-----|---|---------------------------|-----|----|---------------------|
| | | 2864592-\$ or US- 2855526-\$ or US- 2632634-\$ or US- 2565159-\$ or US- 0001779-\$).did. | | | | |
| S80 | 866 | ("1318740" "1734975" "2127193" "2138051" "2215484" "2407462" "2417722" "2468538" "2500008" "2565159" "2578505" "2579908" "2585103" "2606174" "2632634" "2702692" "2713998" "2714186" "2754426" "2766881" "2840730" "2855526" "2864592" "2881080" "2886439" "2907455" "2916266" "2949166" "2950725" "2980537" "3029743" "3056589" "3066686" "3072808" "3109721" "3117768" "3118979" "3155383" "3167669" "3169013" "3176964" "3194640" "3246881" "3254284" "3266631" "3292910" "3301535" "3325976" "3350843" "3396286" "3410532" "3410765" "3425951" "3459505" "3463321" "3464672" "3495519" "3510266" "3544733" "3552536" "3572680" "3573781" "3614069" "3618587" "3635446" "3638087" "3638933" "3645504" "3650094" "3681009" "3683212" "3700089" "3712859" "3715104" "3720402" "3746897" "3749318" "3751014" "3753886" "3771286" "3799742" "3805596" "3807704" "3811623" "3825481" "3837805" "3851861" "3873071" "3876890" "3885902" "3906120" "3906333" "3912450" "3931533" "3946829" "3951605" "3954119" "3997433" "4009140" "4016436" "4022579" "4026765" "4055491" "4071225" | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/13 13:52 |

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|------------|-----------|
| "4086057" | "4114194" |
| "4135387" | "4168295" |
| "4171852" | "4176634" |
| "4219335" | "4226191" |
| "4227817" | "4242968" |
| "4249146" | "4259290" |
| "4264559" | "4275363" |
| "4280823" | "4282532" |
| "4296417" | "4302112" |
| "4302728" | "4307964" |
| "4308547") | .PN. OR |
| ("4326934" | "4333796" |
| "4339247" | "4346011" |
| "4352570" | "4369100" |
| "4383264" | "4391149" |
| "4395719" | "4397194" |
| "4398925" | "4426451" |
| "4433916" | "4441972" |
| "4444961" | "4451433" |
| "4468680" | "4483571" |
| "4488816" | "4491491" |
| "4528159" | "4542745" |
| "4554477" | "4556467" |
| "4559826" | "4562413" |
| "4571087" | "4572673" |
| "4582990" | "4596697" |
| "4598049" | "4602184" |
| "4620917" | "4632808" |
| "4638032" | "4642220" |
| "4654546" | "4667730" |
| "4673512" | "4673657" |
| "4676274" | "4683195" |
| "4686406" | "4687962" |
| "4688199" | "4692654" |
| "4703213" | "4708931" |
| "4736130" | "4737464" |
| "4743361" | "4747920" |
| "4759775" | "4759828" |
| "4764021" | "4774055" |
| "4789628" | "4815978" |
| "4834124" | "4836684" |
| "4855240" | "4864547" |
| "4868521" | "4872353" |
| "4877516" | "4885783" |
| "4888565" | "4891120" |
| "4895500" | "4902741" |
| "4908112" | "4908318" |
| "4914256" | "4914641" |
| "4915812" | "4918025" |
| "4919807" | "4920056" |
| "4921952" | "4923978" |
| "4930898" | "4934191" |
| "4941135" | "4952266" |
| "4956065" | "4960486" |
| "4963498" | "4973876" |
| "4983189" | "4983523" |
| "5000817" | "5003822" |
| "5006266" | "5006749" |

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| "5026167" | "5032027" |
| "5037481" | "5061446" |
| "5065066" | "5076854" |
| "5085783" | "5087379" |
| "5108654" | "5110443" |
| "5114858" | "5121629" |
| "5124444" | "5126022" |
| "5129262" | "5130031" |
| "5133844" | "5143084" |
| "5144146" | "5153476" |
| "5155018" | "5158071" |
| "5164094" | "5176446" |
| "5188963" | "5192450" |
| "5194133" | "5202375" |
| "5206171" | "5207988" |
| "5212988") | .PN. OR |
| ("5214343" | "5220189" |
| "5223219" | "5225089" |
| "5229297" | "5234809" |
| "5247954" | "5252294" |
| "5259384" | "5270183" |
| "5286356" | "5296375" |
| "5304487" | "5320944" |
| "5326164" | "5330916" |
| "5342931" | "5344535" |
| "5352777" | "5374522" |
| "5380487" | "5384029" |
| "5384508" | "5385709" |
| "5395592" | "5399486" |
| "5413770" | "5422241" |
| "5422271" | "5427663" |
| "5427946" | "5438129" |
| "5443890" | "5446263" |
| "5454472" | "5458761" |
| "5459699" | "5466570" |
| "5466722" | "5467791" |
| "5480614" | "5484573" |
| "5486335" | "5489506" |
| "5494585" | "5496517" |
| "5498392" | "5500071" |
| "5520715" | "5523058" |
| "5525041" | "5527460" |
| "5533401" | "5534054" |
| "5538628" | "5543305" |
| "5558837" | "5573651" |
| "5577669" | "5580435" |
| "5580794" | "5581286" |
| "5585069" | "5587128" |
| "5589136" | "5591490" |
| "5593838" | "5599432" |
| "5605662" | "5616701" |
| "5626767" | "5639423" |
| "5639428" | "5641400" |
| "5643738" | "5646039" |
| "5652141" | "5658534" |
| "5659173" | "5660993" |
| "5665917" | "5674742" |
| "5688405" | "5688406" |

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| | | "5693785" "5705018" "5707799" "5711888" "5714380" "5716852" "5722444" "5736100" "5739432" "5741639" "5746978" "5770029" "5777141" "5779985" "5798215" "5837303" "5842787" "5843767" "5846727" "5856174" "5858188" "5863502" "5863801" "5869004" "5874046" "5880071" "5882903" "5890802" "5921678" "5922591" "5928880" "5948673" "5951456" "5955351" "5972710" "5976824" "6010316" "6030581" "6042709" "6043080" "6068752").PN. OR ("6080295" "6090545" "6100084" "6153073" "6156273" "6168948" "6197595" "6210128" "6244738" "6261431" "6277332" "6284113" "6361747" "6413783" "6515030" "RE31779" "Re33524").PN. OR ("2002/0009015" "2004/0264293" "2005/0132775" "2005/0150830" "2565159" "2855526" "2864592" "3169013" "3194640" "3396286" "3614069" "3743523" "3851861" "4307964" "4488816" "4571087" "4879011" "5026167" "5276376" "5395592" "5484573" "5523058" "5626734" "5646039" "5674742" "5688405" "5688406" "5736100" "5779985" "5965001" "6003388" "6010316" "6090295" "6100084" "6244738" "6277332" "6361747" "6413783" "6440725" "6515030" "6719449").URPN. | | | | |
| S81 | 0 | S75 and ("100" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:52 |

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|------|----|--|-----------------|-----|----|------------------|
| S82 | 0 | S75 and ("100" near3 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:52 |
| S83 | 63 | S80 and ("100" near3 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:53 |
| S84 | 56 | S80 and ("100" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:53 |
| S85 | 26 | S80 and ("200" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:53 |
| S86 | 12 | S80 and ("300" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:53 |
| S87 | 11 | S80 and ("400" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:53 |
| S88 | 23 | S80 and ("500" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:54 |
| S89 | 15 | S80 and ("600" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:54 |
| S90 | 1 | S80 and ("700" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:54 |
| S91 | 11 | S80 and ("800" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:54 |
| S92 | 6 | S80 and ("900" adj2 (kilohertz or khz or megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:54 |
| S93 | 37 | S80 and ("10" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |
| S94 | 13 | S80 and ("20" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |
| S95 | 12 | S80 and ("30" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |
| S96 | 16 | S80 and ("40" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |
| S97 | 7 | S80 and ("50" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |
| S98 | 0 | S80 and ("60" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |
| S99 | 0 | S80 and ("70" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |
| S100 | 0 | S80 and ("75" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:55 |

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|------|----|---|-----------------|-----|----|------------------|
| S101 | 5 | S80 and ("80" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:56 |
| S102 | 0 | S80 and ("90" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:56 |
| S103 | 14 | S80 and ("100" adj2 (megahertz or mhz)) | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:56 |
| S104 | 0 | I30-I40 | US-PGPUB; USPAT | AND | ON | 2005/09/13 13:56 |
| S105 | 0 | I30-I40 | US-PGPUB; USPAT | OR | ON | 2005/09/13 13:56 |
| S106 | 68 | S93 S94 S95 S96 S97 S103 | US-PGPUB; USPAT | OR | ON | 2005/09/13 14:14 |
| S107 | 0 | S105 and (ultrasonic or sonic) | US-PGPUB; USPAT | OR | ON | 2005/09/13 14:14 |
| S108 | 60 | S106 and (ultrasonic or sonic) | US-PGPUB; USPAT | OR | ON | 2005/09/13 14:14 |
| S109 | 49 | (US-20020009015-\$ or US-20040264293-\$ or US-20050132775-\$ or US-20050150830-\$).did. or (US-2565159-\$ or US-2855526-\$ or US-2864592-\$ or US-3169013-\$ or US-3194640-\$ or US-3396286-\$ or US-3614069-\$ or US-3743523-\$ or US-3851861-\$ or US-4307964-\$ or US-4488816-\$ or US-4571087-\$ or US-4879011-\$ or US-4983189-\$ or US-5026167-\$ or US-5276376-\$ or US-5395592-\$ or US-5484573-\$ or US-5523058-\$ or US-5626734-\$ or US-5646039-\$ or US-5674742-\$ or US-5688405-\$ or US-5688406-\$ or US-5736100-\$ or US-5739432-\$).did. or (US-5779985-\$ or US-5831166-\$ or US-5965001-\$ or US-6003388-\$ or US-6010316-\$ or US-6039309-\$ or US-6086821-\$ or US-6090295-\$ or US- | US-PGPUB; USPAT | AND | ON | 2005/09/13 15:59 |

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|------|---------|--|---------------------------|-----|----|---------------------|
| | | 6100084-\$ or US- 6210128-\$ or US- 6244738-\$ or US- 6277332-\$ or US- 6361747-\$ or US- 6413783-\$ or US- 6440725-\$ or US- 6515030-\$ or US- 6719449-\$ or US- 6764860-\$ or US- 6859050-\$).did. | | | | |
| S110 | 17 | S109 and sensor | US-PGPUB; USPAT | AND | ON | 2005/09/13 16:00 |
| S111 | 14 | S109 and sensor and ultrasonic | US-PGPUB; USPAT | AND | ON | 2005/09/14 09:29 |
| S112 | 160 | 366/132.ccls. | US-PGPUB; USPAT | AND | ON | 2005/09/14 09:31 |
| S113 | 187 | 366/132.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:31 |
| S114 | 13 | 366/132.ccls. and vibrator | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:32 |
| S115 | 49 | 366/132.ccls. and sensor | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:37 |
| S116 | 36 | 366/151.1.ccls. and sensor | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:39 |
| S117 | 0 | 366/151.1,152.1,ccls. and charateristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:40 |
| S118 | 0 | 366/152.1,ccls. and charateristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:40 |
| S119 | 0 | 366/151.1,152.1.ccls. and charateristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:41 |
| S120 | 0 | 366/152.1.ccls. and charateristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:40 |
| S121 | 0 | 366/152.1.ccls. and charateristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:40 |
| S122 | 1017 | charateristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:41 |
| S123 | 2070398 | Characteristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:41 |
| S124 | 112 | 366/151.1,152.1.ccls. and Characteristic | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:44 |
| S125 | 4 | "5993671" | US-PGPUB; USPAT; USOCR | AND | ON | 2005/09/14 09:44 |

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|------|----|---|-------|----|-----|---------------------|
| S126 | 44 | ("0001779" "2565159" "2632634" "2855526" "2864592" "2950725" "3066686" "3194640" "3396286" "3614069" "3743523" "3876890" "4307964" "4488816" "4571087" "4834124" "4879011" "4983189" "5026167" "5037481" "5395592" "5484573" "5523058" "5639423" "5688406" "5736100" "5779985" "5831166" "5890802" "5993671" "6003388" "6010316" "6039309" "6086821" "6100084" "6210128" "6224778" "6244738" "6277332" "6284113" "6361747" "6413783" "6440725" "6515030").PN. | USPAT | OR | OFF | 2006/03/16 12:52 |
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6/7/2008 5:26:24 PM

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